

KOTZIN ET AL.
"Handover During Packet Session in Wireless
Communication Networks and Methods"
Atty. Docket No. CS23254RA

Appl. No. 10/647,410
Confirm. No. 2657
Examiner J. Stein
Art Unit 2617

REMARKS

Request for Reconsideration, Informal Matters, Claims Pending

The non-final Office action mailed on 8 September 2006 has been considered carefully. Reconsideration of the claimed invention in view of any amendments above and the discussion below is respectfully requested.

An extension under 37 CFR 1.136(a) is also requested. Payment of the fee from the assignee's Deposit Account has been authorized.

The Examiner's objection to Claim 10 is unfounded. Claim 10, lines 5 recites "... negotiating with a radio communications network for" The negotiation occurs between the packet server and the radio communications network, not a device.

Claims 1-5 and 7-21 are pending.

Allowability of Claims Over Coskun

Rejection Summary

Claims 1-3, 5, 7-13 and 15-21 stand rejected under 35 USC 102(e) for anticipation by U.S. Publication No. 2002/0147008 (Kallio).

Allowability of Claim 1

Regarding Claim 1, contrary to the Examiner's assertion, Kallio fails to disclose or suggest a

... method in a mobile communications device, the method comprising:
participating in a packet session;
identifying a handover target in the mobile communications device;
sending handover information for the identified handover target to a packet
server while in the packet session;
receiving radio resource information for the identified handover target from
the packet server in response to sending the handover information to the packet
server.

At paragraphs [0024 & 33], Kallio discusses handover from one network to another having different VIOP protocols, e.g., from GSM network to a LAN network. In paragraph [0054], Kallio discusses hading over from a LAN network to a GSM network during an active call. At paragraph [0055], Kallio discusses sending a handover request from a mobile station to a mobile switching center (MSC). At paragraph [0057], Kallio indicates that he MSC handle the handover request. Kallio fails to send handover information to a "packet server" while in the packet session and receiving radio resource information from the "packet server". Claim 1 is thus patentably distinguished over Kallio.

Allowability of Claim 10

Regarding Claim 10, Kallio fails to disclose or suggest a

... method in a packet server connected to a communications network,
the method comprising:
receiving information from a mobile wireless communications device
identifying a handover target;
negotiating with a radio communications network for a radio resource
transfer for the handover target identified by the mobile wireless
communications device,
sending, from the packet server, radio resource information for the
handover target identified to the mobile wireless communications device.

At paragraphs [0024 & 33], Kallio discusses handover from one network to another having different VIOP protocols, e.g., from GSM network to a LAN network. In paragraph [0054], Kallio discusses hading over from a LAN network to a GSM network during an active call. At paragraph [0055], Kallio discusses sending a handover request from a mobile station to a mobile switching center (MSC). At paragraph [0057], Kallio indicates that he MSC handle the handover request. Kallio fails to disclose a packet server that negotiates with a radio communications network for a radio resource transfer for the handover target identified by the mobile wireless communications device, and sends, from the packet server, radio resource information for the handover target identified to the mobile wireless communications device. In Kallio, this functionality is performed by the MSC. Claim 10 is thus patentably distinguished over Kallio.

Allowability of Claim 15

Regarding Claim 15, contrary to the Examiner's assertion, Kallio fails to disclose or suggest a

... method in a mobile communications device in a packet session, the method comprising:
deciding to handover to a target cell;
sending handover information for the target cell to a packet server during a packet session;
receiving radio resource information from the packet server for the target cell before handing over to the target cell.

At paragraphs [0024 & 33], Kallio discusses handover from one network to another having different VIOP protocols, e.g., from GSM network

to a LAN network. In paragraph [0054], Kallio discusses hading over from a LAN network to a GSM network during an active call. At paragraph [0055], Kallio discusses sending a handover request from a mobile station to a mobile switching center (MSC). At paragraph [0057], Kallio indicates that he MSC handle the handover request. Kallio fails to disclose a mobile station that sends handover information for the target cell to a packet server during a packet session and receives radio resource information from the packet server for the target cell before handing over to the target cell. Claim 15 is thus patentably distinguished over Kallio.

Allowability of Claim 20

Claim 20 has been amended to include limitations of Claim 21. Kallio fails to disclose or suggest an

... method in a wireless communications network entity, the method comprising:
receiving handover information from a mobile wireless communications device identifying a potential handover target;
communicating handover information to the potential handover target before the mobile wireless communications device handsover to the potential handover target;
sending, from the wireless communications network entity, radio resource information for the potential handover target to the mobile wireless communications device before the wireless communication device hands over to the potential handover target.

At paragraphs [0024 & 33], Kallio discusses handover from one network to another having different VIOP protocols, e.g., from GSM network to a LAN network. In paragraph [0054], Kallio discusses hading over from a LAN network to a GSM network during an active call. At paragraph [0055],

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Kallio discusses sending a handover request from a mobile station to a mobile switching center (MSC). In Kallio, at paragraph [0056], the MSC sends the handover request to the BSS, and at paragraph [0057] the MSC handles the handover if the BSS acknowledges the handover request. Contrary to the Examiner's suggestion, Kallio fails to disclose "... sending, from the wireless communications network entity, radio resource information for the potential handover target to the mobile wireless communications device before the wireless communication device hands over to the potential handover target." Amended Claim 20 is thus patentably distinguished over Kallio.

Prayer For Relief

In view of any amendments and the discussion above, the Claims of the present application are in condition for allowance. Kindly withdraw any rejections and objections and allow this application to issue as a United States Patent without further delay.

Respectfully submitted,

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